

**Application No. 10/629,117**  
**Second Supplemental Preliminary Amendment**

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The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Previously Amended) A therapeutic agent for treatment of mastitis in cattle consisting essentially of glycyrrhizin or pharmaceutically acceptable salts thereof as effective ingredients and a pharmaceutically acceptable carrier, wherein the therapeutic agent is directly administered into the mammae of the cattle.
2. (Cancelled)
3. (Previously Amended) A therapeutic method for treatment of mastitis in cattle comprising administering a therapeutic agent consisting essentially of glycyrrhizin or pharmaceutically acceptable salts thereof and a pharmaceutically acceptable carrier to the mammae of the cattle.
4. (Previously Amended) The therapeutic method for treatment of mastitis in cattle according to Claim 3, wherein glycyrrhizin or pharmaceutically acceptable salts thereof is administered by direct injection.
5. (Previously Amended) The therapeutic method for treatment of mastitis in cattle according to Claim 3, wherein glycyrrhizin is directly administered to the mammae of the cattle during the milk secretion period.
- 6-10. (Cancelled)
11. (Original) A therapeutic agent for treatment of mastitis in cattle comprising a composition consisting essentially of glycyrrhizin or pharmaceutically acceptable salts thereof as effective ingredients, a buffer, a stabilizer, an antioxidant, and a pharmaceutically acceptable carrier, wherein the therapeutic agent is directly administered into the mammae of the cattle.